

**METHOD TO ACHIEVE HIGHER TRACK DENSITY
BY ALLOWING ONLY ONE-SIDED TRACK ENCROACHMENT**

Abstract of the Disclosure

5 A disc drive includes a transducer having a separate element for
writing information and a separate element for reading information to and from the
disc. In a disc drive designated to read and write long sequential records, the track
misregistration budget is reduced to account for previously written tracks not being
encroached on one side. An initial track is written. Subsequent tracks are written
10 after a seek in one direction. The subsequent track is written so that the initially
written track is overwritten to one side and leaves a track having a width
substantially equal to the width of the read element. Records can be written into
data bands of a selected number of tracks. A guard band is left between groups of
data bands so that data on tracks in subsequent data bands are not overwritten.

"Express Mail" mailing label number: EL873860356US

Date of Deposit: September 27, 2001

This paper or fee is being deposited on the date indicated above with
the United States Postal Service pursuant to 37 CFR 1.10, and is
addressed to BOX PATENT APPLICATION the Commissioner for
Patents, Box Patent Application, Washington, D.C. 20231.